FIG. 1

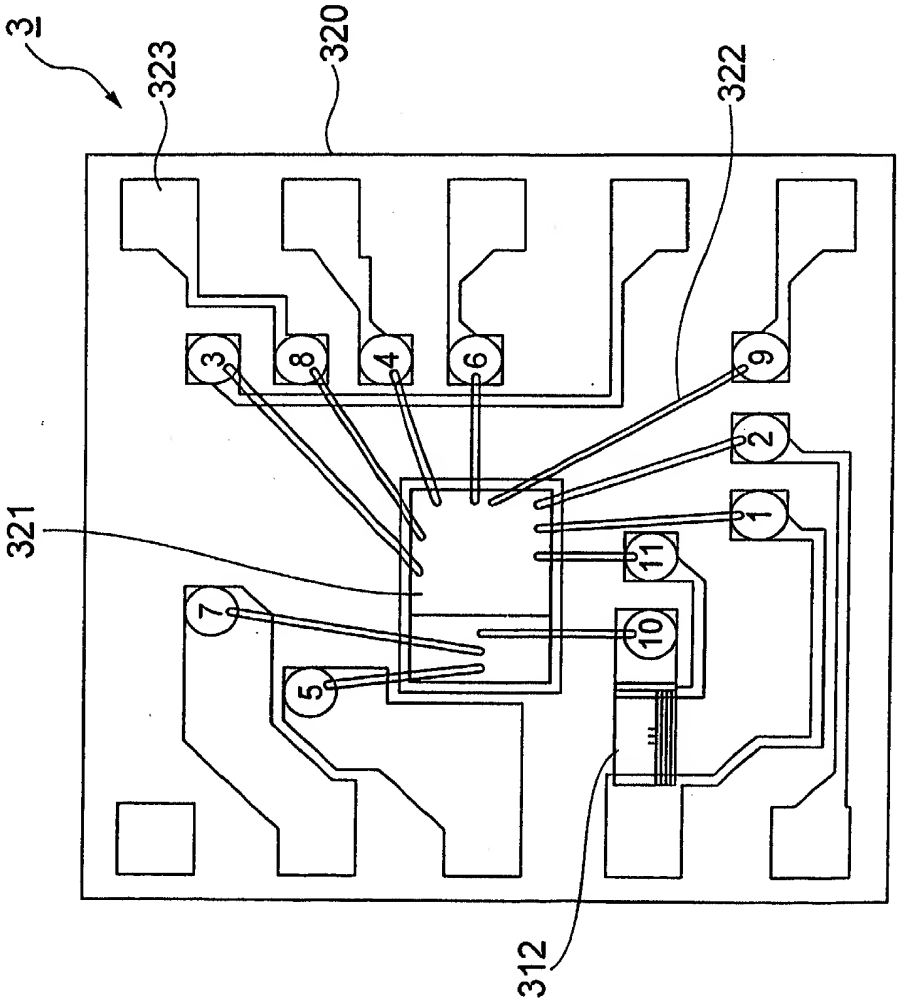


FIG. 2

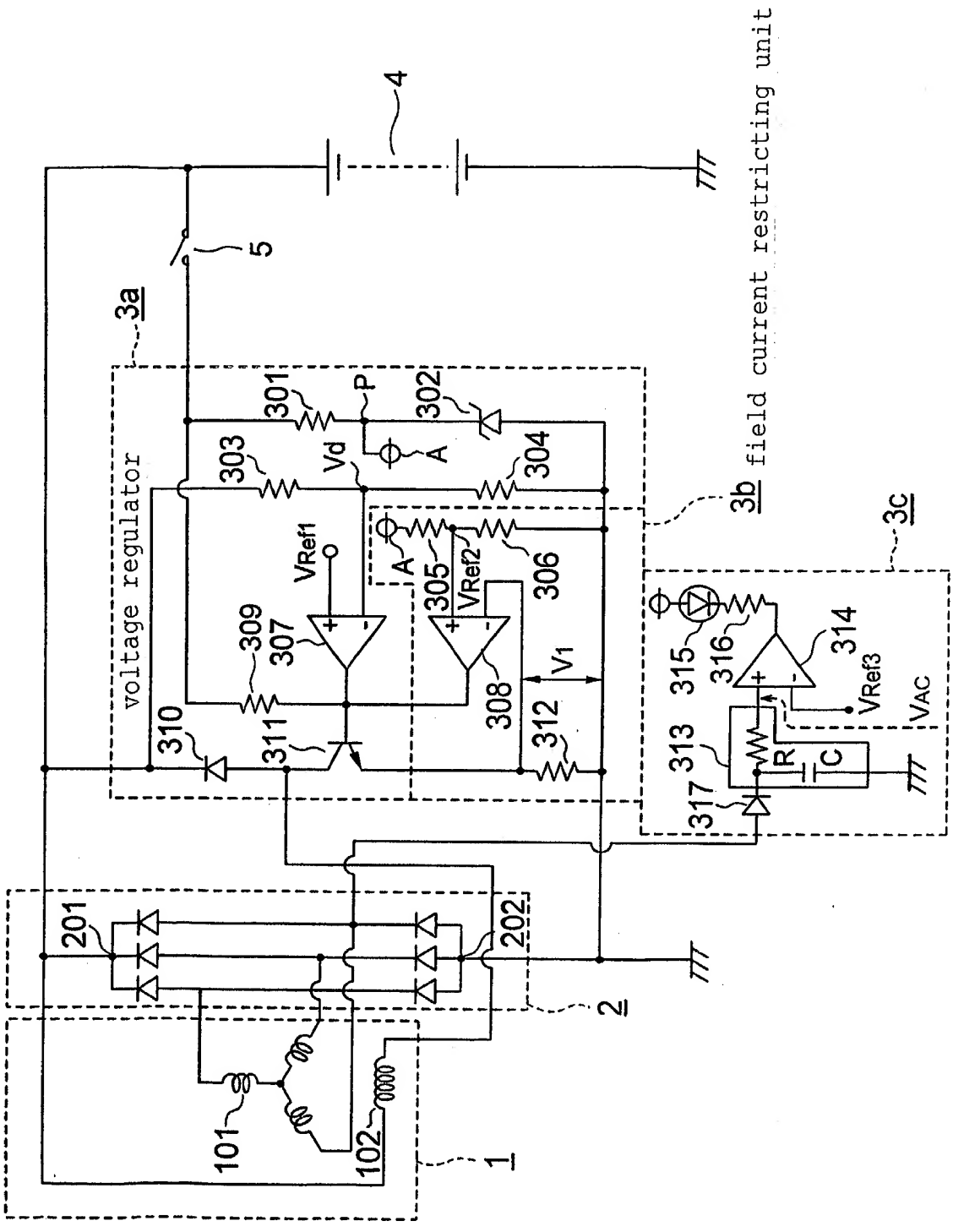
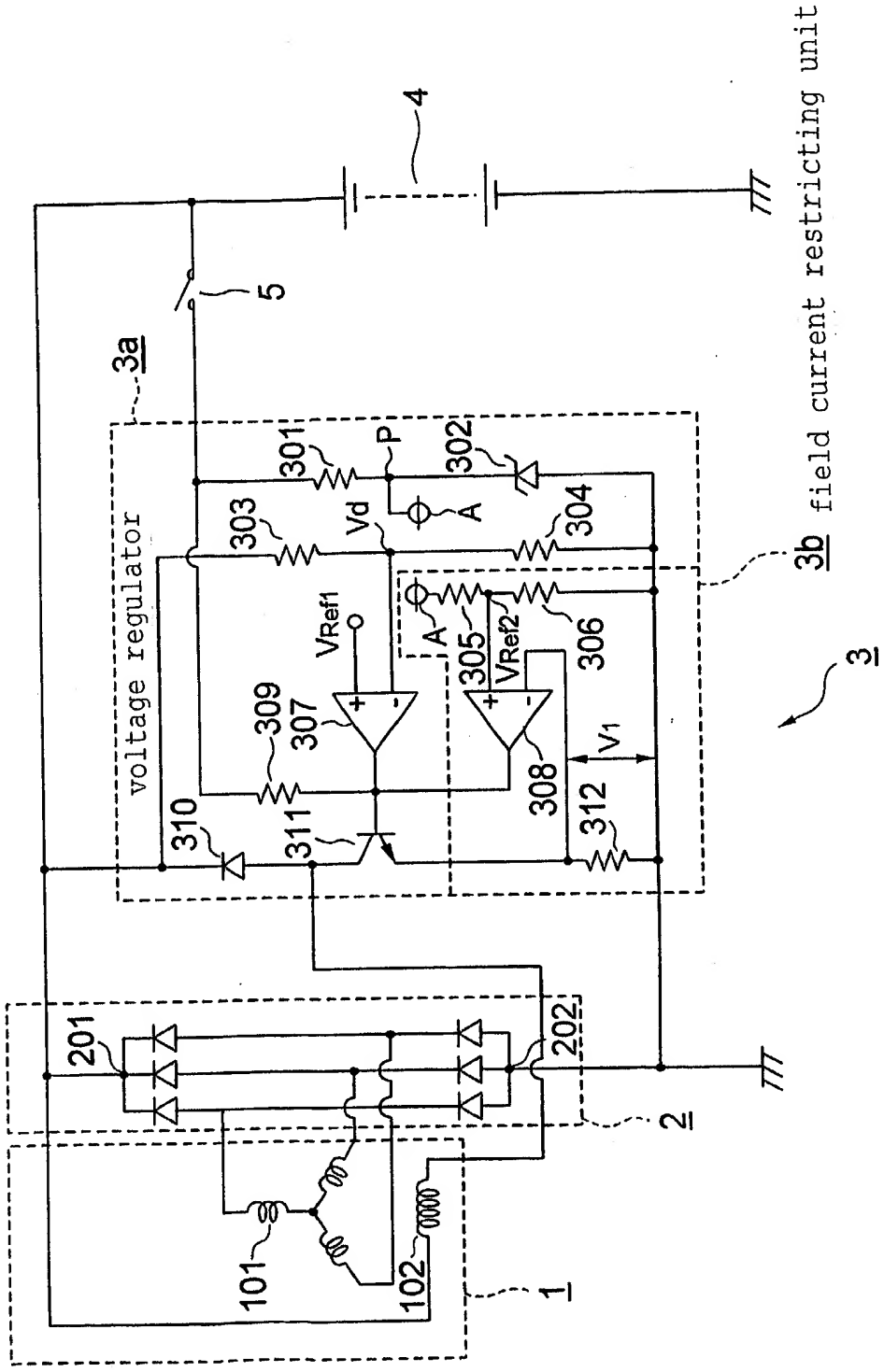

4
5
3a
voltage regulator
301
P
302
303
Vd
A
304
VRef1
309
307
A
305
VRef2
306
3b field current restricting unit
3c
310
311
308
V1
312
315
316
314
VRef3
VAC
313
R
Tc
317
201
202
2
101
102
1

FIG. 3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1